

BIOPOLYMER ARRAYS AND THEIR FABRICATION

ABSTRACT OF THE DISCLOSURE

A method of fabricating an addressable array of biopolymers on a substrate using a biomonomer with a first linking group which must be activated for linking to a substrate bound moiety, and apparatus and computer program products for executing the method. The method includes forming on a region of the substrate carrying the substrate bound moiety, a solid activator composition. A biomonomer containing fluid composition is deposited on the region so that the solid activator activates the first linking group and the biomonomer links to the substrate bound moiety. The foregoing steps may be repeated, wherein a biomonomer deposited and linked to the substrate bound moiety in one cycle is the substrate bound moiety for the next cycle, so as to form the biopolymer.